

§MN505.03 Review of work performed by consultants and suppliers.

(b) Site specific plans and specifications. Designs, drawings, and specifications completed for NRCS, sponsors, or landowners by consultants and others can expedite implementation of NRCS administered programs. For site specific plans prepared by consultants, which must be approved by NRCS, the following conditions must be met:

(1) All plans prepared by a Professional Engineer, which are submitted to the NRCS for approval, should be reviewed by a registered engineer.

(2) For projects where cost sharing is based upon a cost estimate, an itemized estimate prepared by the engineer must be submitted with the plan.

(3) As a minimum, inspection plans must include a description of critical inspection items, the frequency and timing of inspections, frequency and types of tests required, and qualifications of the inspectors. Inspections specified must be adequate to ensure that critical construction specifications are met and materials utilized are adequate.

(4) The following checklist may be used as a guide for review of pollution abatement engineering plans prepared in accordance with NEM 505.03(b):

NRCS POLLUTION ABATEMENT SYSTEM REVIEW CHECKLIST

1. Is a manure management plan prepared either by NRCS or Consultant? (NRCS Standard 313, NEM 537)
2. Is the manure storage volume adequate to meet manure management plan requirements? (NRCS Standard 313)
3. Is all contaminated runoff stored or adequately treated? (NRCS Standard 312)
4. Is a plan view included, which shows all drainage directions near the feedlot? (NRCS Standard. 312)
5. Are all roofs and drainage areas to open lots diverted away or included in storage volume computations? (NRCS Standard 312, 313)
6. For dairy operations, is the milk parlor wash water stored or properly treated? (NRCS Standard 312)
7. Are all wells shown? Do they meet MN Department of Health setback requirements? (Standard 313, MN Rules Chapter 4725.4450)
8. Are any lots to be abandoned clearly identified along with time frame and requirements? (NRCS Standard 312)
9. Is there a minimum of 2 soil borings (of adequate depth) for storage facilities, and are special geologic conditions accounted for in design? (NRCS Standard 313)
10. Are storage pond liners adequate? (NRCS Standard 313)
11. Is water table control adequate (type, depth, filter, outlet, etc) if needed? (NRCS Standard 313)
12. For concrete tanks, is the floor slab reinforced? (NRCS Standard 313)
13. For concrete structures near feedlots, are requirements for equipotential plane met? (National Electrical Code, NEM 537)
14. Are safety signs, fences, grates, etc., specified where needed? (NRCS Standard 313)
15. Is access adequate for agitation and or emptying of storage facilities (Should be pointed out as a consideration)? (NRCS Standard 313)

NRCS POLLUTION ABATEMENT SYSTEM REVIEW CHECKLIST (cont)

16. Is vegetation specified for disturbed areas? (NRCS Standard 313)
17. Does the inspection plan specify the timing of inspections, qualifications of the inspector, surveys required, testing required, and documentation needed? (NRCS NEM 505)
18. Does the O&M plan address operational and safety aspects (including confined spaces warning if appropriate) of the planned structures? (NRCS Standard 313)
19. Are there parts of the plan that may present an operation or maintenance problem? These should be pointed out to the cooperator, but not required for NRCS acceptance of the plan. (NRCS NEM 505)
20. Is an itemized cost estimate prepared by the engineer included? (NRCS NEM 505)
21. Is the NRCS Standards certification statement on plan and signed? (NRCS NEM 505)
22. Is proper PE certification present? (MN statute 326.12)